

Sample Schedule: APA Advanced Training Institute on Nonlinear Methods

	Monday	Tuesday	Wednesday	Thursday	Friday
9:00	Welcome & Introduction	Research Strategies, Concepts, and Explanations	Research Strategies, Concepts, and Explanations	Research Strategies, Concepts, and Explanations	
10:00	Why do Nonlinear Analyses?	Phase Space Reconstruction	Intro to Fractal Analysis & Scaling	Three Problem Sets: Time Series Analysis, Recurrence Quantification Analysis, and Fractal Analysis	The Nonlinear "Big Picture" in Cognitive and Behavioral Science
11:00	Introduction to Nonlinear Dynamics & Time Series		Dispersion Analysis		
12:00	Lunch				
1:00	Data Collection Time Series & Intro to Matlab	Recurrence Quantification Analysis	Dispersion Analysis (continued)	Problem Sets will be done in small group, parrallel, 90-minute (or so) rotations from instructor to instructor	Brief overviews of other topics, OR Continued problem sets and tutoring
2:00			Spectral Analysis		
3:00	Introduction to Nonlinear Dynamics & Time Series (continued)				
4:00				Review of Solutions	
5:00	Adjourn				